Work Orde	*	395		*89:				Page 1	1			
item ID: Revision ID:	D4017-9			Accept	*N900	040	100)* s	etup Star	1 7	S1*	
Item Name:	Rib		\9						Sto	op *NS2		
Start Date: 8/15/12 Start Qty: 2.00 Required Date: 9/14/12 Req'd Qty: 2.00 Reference:			*7*	.	Cust Item ID: Customer:		٠.					
Approvals:	Process Plan	n: MLJ	Date: 12/08	27-Tooling:	Da	ate:		K	un Star	"NRT"		
	QC:		Date:	SPC (Y/N):	Da			Sto	*N	R2*	r	
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
Draw Nbr	Revi	ision Nbr							,			
D4017	D	-										
100				0.00								
100 Large Fab		Мето		0.00	·			1)_B:0	1-92	_5D	
Large Fab			e as per dwg D4017 and remove identify mark	s								
110		QC6- Inspect dimension	ns to drawing	0.00	1 (13.1.29		,		` . }	•		
*11 0 *		Memo		0.00	131191		(de		<u> </u>		-
Quality Control												
								e Min	2. 			
120		Identify as per dwg &	Stock Location: WA	0050.00				<i>i</i> :				
120 Packaging		Memo		0.00	Cpli	3.1.	7 9	Dx				_
Packaging					V	_ '	•		>			

												DQA:	Date:	,		
NCR:	Yes	/ No					WORK ORDER NON-C	O	NFORM	/ANCE / UPI	DATE					
				·								QA Closed:	Date			
Vork Ord	er:						DISPOSITION		AGAINST DEPARTMENT/PROCESS							
	Part No						Rework Scrap Use-as-is Work Order Update			Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite	-{	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other		
Root					Des	crip	otion of work order update	1	nitial	Act	tion	Sign &				
Cause	,	Date	Step	Qty		0	r Non-conformance	Ch	ief Eng	Desci	ription	Date	Verification	QC Inspector		
oc/Data quip/Tooling perator laterial etup ther rocess upplier raining napproved																
							F	AUL	T CATE	GORY						
Landi	ng (Gear					General						_	_		
		Bending Centre No Cracks Crushed/Cuffs Heat Trea Inspection Ripples in Torque W	Crimped, at n Strip in i Bend	Tube			Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes Drawing		Instruct Mainte Mislabe Misread Offset	on Incomplete ions Incomplete/l nance led	Unclear	Ovalized Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V Power Loss/	ct ssing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other		
	1	Turning S	equence				Finish	1	Out of S	equence						

Outside Dimensions

Wave/Twist in Tube

Folio

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Work Order ID 89395 August-24-12 1:50:06 PM				*893				Page 2			
Item ID: D4017-9 Revision ID: Item Name: Rib				Accept	*N900040100)* s	Setup Sta	1/3	S1* S2*
Start Date: Required Date: Reference:	8/15/12 9/14/12	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item I Customer:	D:					
Approvals:	oprovals: Process Plan:QC:		Date:	Tooling: SPC (Y/N):	Date:			R	tun Sta Sto		R1* R2*
Sequence ID/ Work Center ID 130 *130* QC		Operation Description QC21- Final Inspection Memo	· Work Order Release	Set Up/ Run Hours 0.00	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
		Memo		0.00					——	† '- -	1-5

NB-01-29

											DQA:	Date	•	
NCR:	Yes	/ No				WORK ORDER NON-O	100	NFOR	MANCE / UP	DATE		_		
											QA Closed:	Date	:	
Work Ord	er.					DISPOSITION				AGAINST DE	PARTMENT	PROCESS		
Part NCR	No.					Rework Scrap Use-as-is Work Order Update			~⊢	Crosstube Small Fab Finishing Composite	4	· ·	Engineering Quality Other	
Root					Descri	ption of work order update	1	Initial	Act	tion	Sign &			
Cause		Date	Step	Qty	(or Non-conformance	Ch	nief Eng	Desc	ription	Date	Verification	QC Inspector	
Doc/Data														
Equip/Tooling														
Operator														
Material														
Setup														
Other														
Process				,										
Supplier														
Training				ĺ										
Unapproved														
				Rework Scrap Water Jet Skid-tube Scrap Machining Small Fab Prod. Eng. Coor. Quality Quality Rec/Store/Packaging Other Supplier Other Supplier Supplier Other Description of work order update or Non-conformance Pault CATEGORY FAULT CATEGORY General Bend BOM/Route Broken/Damaged Instead of Skid-tube Scrap Prod. Eng. Coor. Quality Quality Rec/Store/Packaging Supplier Other Supplier Other Supplier Other Date Verification QC Inspector Packaging Supplier Other Date Verification QC Inspector Pressure/Forced Over/Under tolerance Part Incorrect Weld										
Landi	ng G	Gear				General		_			_			
	Ц	Bending				Bend	L	Grain			Ovalized		Pressure/Forced	
		Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	ire		Over/Under	tolerance	Temperature/Cure	
1		Cracks				Broken/Damaged		Inspect	ion Incomplete		Part Incorre	ct	Weld	
	Ш	Crushed/0	Crimped.			Burrs		Instruct	ions Incomplete/	Unclear	Part Lost/M	ssing	Wrong Stock Pulled	
		Cuffs				Contamination		Mainte	enance		Part Moved	_	,	
	П	Heat Trea	it			Countersink		Mislabe	eled		- 			

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish Folio

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Page 1

Work Order ID:

89395

Parent Item:

D4017-9

Parent Item Name:

Rib

Start Date: 8/15/12

Required Date: 9/14/12

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP RevA: new issue DD 09.11.26 verified by:EC

IPP Rev:C as per dwg RevB DD 10.04.16 verified by:EC

IPP Rev:B as per dwg RevA DD

IPP

Rev:D as per dwg revC DD 10.08.18 verified by:EC

IPP Rev:E 11.01.17 chg qc5 to 6 DD

0.00001534 2.059994

20.775743

139.82683

verf:EC

10.03.06 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TS0.500W.049 Square Tubing		Purchased	No			100	f	806.6626	2.28166	4.8034948	PD	13-01	.28
				Location		Loc Qty	<u>Lo</u>	oc Code					
				MAT018		644			K199434	3 → ∂ું	1890	1	
				12241	13	644					V -		
				MAT034		162 6625823							

118460

121328

121565

121808

												DQA:	Dat	ie:	
NCR:	Yes	/ No				WORK ORDER NON-O	COI	NFORM	MANCE / UP	DATE		_		_	
							Q				QA	Closed:	Dat	te:	
Work Ord	er					DISPOSITION		AGAINST DEPARTMENT/PROCESS							
l Work Ora						Rework	7		Skid-tube	Crosstube	1		Water Jet	\neg	Engineering
Part	No.					Scrap	1	1 ,	Machining	Small Fab	1	Proc	I. Eng. Coor.	ㅓ	Quality
						Use-as-is	1		noforming	Finishing	1		e/Packaging	ᅥ	Other
NCR	No.					Work Order Update	1	t .	Large Fab	Composite	1	,	Supplier	${}^{-}$	
							•	L	<u> </u>	•	_		٠٠ ر		!
Root					Descri	ption of work order update		Initial	Ac	tion	S	ign &			
Cause		Date	Step	Qty		or Non-conformance	Cr	nief Eng	Desc	ription		Date	Verification	٦	QC Inspector
Doc/Data	L_		Į.												
Equip/Tooling	L]													
Operator	L													١	
Material										•				1	
Setup														ŀ	
Other	L														
Process	L			·]	
Supplier	L														
Training	L														
Unapproved		<u> </u>		! 											
						F	AUL	LT CATE	GORY						
Landi	ing (Gear				General		-			_				
	$ldsymbol{ldsymbol{eta}}$	Bending			<u> </u>	Bend		Grain			Ova	alized			Pressure/Forced
	$ldsymbol{le}}}}}}$	Centre No	ot Concer	ntric to (o/s	BOM/Route		Hardwa	re		Ove	er/Under	tolerance		Temperature/Cure
	L	Cracks				Broken/Damaged		Inspecti	on Incomplete		Par	rt Incorrec	t		Weld
		Crushed/	Crimped.			Burrs		Instruct	ions Incomplete/	'Unclear	Par	rt Lost/Mi	ssing		Wrong Stock Pulled
		Cuffs				Contamination		Mainte	nance		Part Moved				•
		Heat Trea	it			Countersink		Mislabe	led		Pos	sitioned W	/rong		
ł	1	Inspection	n Strip in	Tube		Cut Too Short		Misread	1		Pov	wer Loss/S	Surge		Other

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

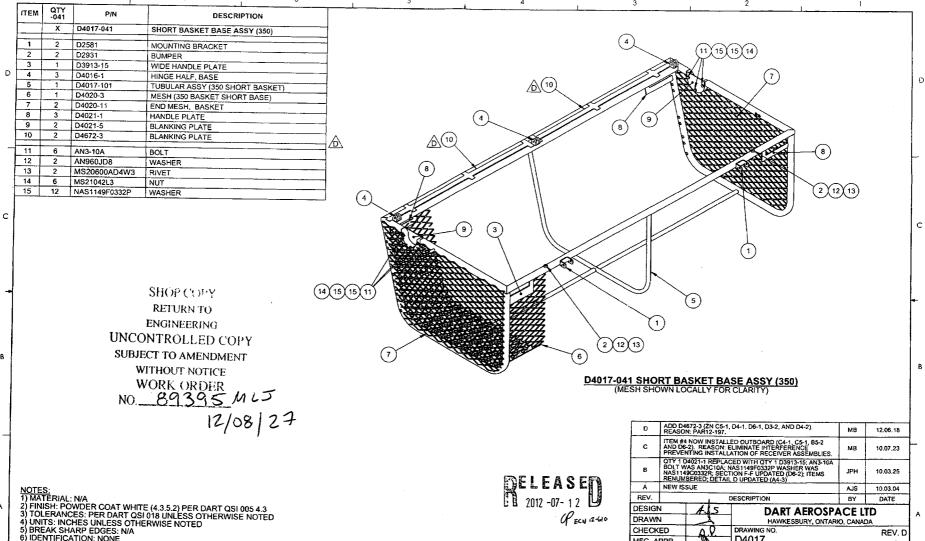
Drill Holes

Drawing

Finish

Folio

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6) IDENTIFICATION: NONE

6) IDEAN FIGURE 10 N. NONE. 7) WEIGHT: 28.8 IOS APPROX 8) INSTALL AFTER FINISH 99 MASK HOLES PRIOR TO POWDER COAT 10) WELD PER DART QSI 004

	PREVE	NTING II	NSTALL	ATION OF RECEIVER ASSEMBLIES.									
В	OTY 1 C BOLT W NAS114 RENUM	17Y 1 04021-1 REPLACED WITH 01TY 1 D3913-15; AN3-10A NOT WAS AN3010A; NAS1149F0332P WASHER WAS ASS1149C0332R; SECTION F-F UPDATED (08-2); ITEMS ENUMBERED; DETAIL D UPDATED (A4-2)											
Α	NEW IS				AJS	10.03.04							
REV.			L. '	DESCRIPTION	BY	DATE							
DESIGN	J	A.	5	DART AEROSPACE LTD									
DRAWN	1		ξ	HAWKESBURY, ONTARIO, CANADA									
CHECK	ED	Δ.	0	DRAWING NO. RI									
MFG. A	PPR.	M.	7 4	D4017		SHEET 1 OF 5							
APPRO	VED	1 //	A	TITLE		SCALE							
DE APP	R.	4	#	SHORT BASKET BASE ASSY (350), NTS									
DATE	-12.0	6.18		COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS COUNSEL IS PRIMATE AND CONTRIBUTION, MAD IS SUPPLED ON THE EXPRESS CONTRIBUTION THAT IT IS HOT TO BE USED FOR ANY PURPOSE ON CONSEANCING TO ANY OTHER PURPOSE ON CONTRIBUTION OF THE PURPOSE CONTRIBUTION OF THE PURPOSE OF THE PURPOS									

